



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/056,294	01/23/2002	Sumit Roy	100111585-1	9783

7590 10/14/2005  
HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, CO 80527-2400

EXAMINER

NGUYEN, BINH QUOC

ART UNIT	PAPER NUMBER
----------	--------------

2664

DATE MAILED: 10/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/056,294	<b>Applicant(s)</b> ROY ET AL.	
	<b>Examiner</b> Binh Q. Nguyen	<b>Art Unit</b> 2664	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 01/23/2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-66 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-66 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date. _____  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>2/24/02 and 9/2/03</u>  | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-66 are rejected under 35 U.S.C. 102(e) as being anticipated by *Lin* the U.S.

Patent No.: 6,542,744.

**Regarding claim 1.** *Lin* teaches in a server (*see Fig. 7, item "CBSC-A" means a server*), a method of data session handoff (*see the abstract*), said method comprising:

receiving data from a data source (*see Fig. 7 & 13, col. 6, lines 5-15, mobile switching center means a data source*);

transmitting at least a portion of said data to an electronic device located in a first location (*see Fig. 7 & 13, col. 6, lines 16-22, mobile station means an electronic device, and BTS-B means a first location*);

Art Unit: 2664

receiving notification that said electronic device is moving toward a second location served by a second server (*see Fig. 9 & 13, col. 7, lines 23-30, BTS-C means a second location, and CBSC-B means a second server*);

transmitting a first message to said second server notifying said second server that said electronic device is moving toward said second location (*see Fig. 9 & 13, col. 7, lines 31-37, a Handoff Commenced Message means a first message*);

receiving a second message from said second server that said second server is prepared to communicate with said electronic device (*see Fig. 9 & 13, col. 7, lines 38-40, a Handoff Complete Message means a second message*); and

said server stopping transmission of said data (*see Fig. 11 & 13, col. 7, lines 41-44*)

**Regarding claim 2.** *Lin* teaches the method as recited in claim 1 wherein said server and said second server are transcoder devices (*see Fig 7-11, items "BTS-B and BTS-C" mean server and second server are transcoder devices*).

**Regarding claim 3.** *Lin* teaches the method as recited in claim 1 wherein said data source is a content server (*see Fig 7-11, item "Mobile Switching Center" means data source is a content server*).

**Regarding claim 4.** *Lin* teaches the method as recited in claim 1 wherein said data source is a content distribution network comprised of a plurality of edge servers (*see Fig 7-11, item "Mobile Switching Center" meaning said data source is a content distribution network, and items "CBSC-A and CBSC-B" means a plurality of edge servers*).

**Regarding claim 5.** *Lin* teaches the method as recited in claim 1 wherein said data is streaming media data (*see Fig 7-11, col. 3, lines 9-18*).

**Regarding claim 6.** *Lin* teaches the method as recited in claim 1 wherein said electronic device is communicatively coupled to said server by a wireless connection (*see Fig 7-11, col. 3, lines 9-25*).

Art Unit: 2664

**Regarding claim 7.** *Lin* teaches the method as recited in claim 1 further comprising, prior to said receiving said second message:

said second server transmitting a third message to said data source notifying said data source to transmit at least a portion of said data to said second server (*see Fig 13, step 1328, col. 5, line 43-to-col. 6, line 7*); and

said data source transmitting at least a portion of said data to said second server (*see Fig 13, step 1331 to step 1361, col. 6, line 8-to-col. 7, line 55*).

**Regarding claim 8.** *Lin* teaches the method as recited in claim 1 further comprising, prior to said server stopping transmission of said data (*see Fig 13, step 1361, col. 7, lines 41-55*), said second server transmitting at least a portion of said data to said electronic device (*see Fig 13, step 1348 to step 1361, col. 7, lines 22- 55*).

**Regarding claim 9.** *Lin* teaches the method as recited in claim 1 wherein said data is user datagram protocol data (*see Fig 13, col. 5, lines 3-62*).

**Regarding claim 10.** *Lin* teaches the method as recited in claim 1 wherein said first message and said second message are transmission control protocol messages (*see Fig 13, col. 5, lines 3-62*).

**Regarding claim 11.** *Lin* teaches a server (*see Fig. 7 & 14, item "CBSC-A" means a server*) comprising:

a bus (*see Fig. 7 & 14, "a link between processor 1440 and memory 1420" means a bus*);

a computer-readable memory (*see Fig. 7 & 14, memory 1420 means a computer-readable memory*) coupled to said bus; and

a processor (*see Fig. 7 & 14, processor 1440 means a processor*) coupled to said bus, said processor for executing a method of data session handoff (*see Fig. 13, col. 5, lines 3-11*), said method comprising:

Art Unit: 2664

receiving data from a data source (*see Fig. 7 & 13, col. 6, lines 5-15, mobile switching center means a data source*);

transmitting at least a portion of said data to an electronic device located in a first location (*see Fig. 7 & 13, col. 6, lines 16-22, mobile station means an electronic device, and BTS-B means a first location*);

receiving notification that said electronic device is moving toward a second location served by a second server (*see Fig. 9 & 13, col. 7, lines 23-30, BTS-C means a second location, and CBSC-B means a second server*);

transmitting a first message to said second server notifying said second server that said electronic device is moving toward said second location (*see Fig. 9 & 13, col. 7, lines 31-37, a Handoff Commenced Message means a first message*);

receiving a second message from said second server that said second server is prepared to communicate with said electronic device (*see Fig. 9 & 13, col. 7, lines 38-40, a Handoff Complete Message means a second message*); and

said server stopping transmission of said data (*see Fig. 11 & 13, col. 7, lines 41-44*)

**Regarding claim 12.** *Lin* teaches the server as recited in claim 11 wherein said server and said second server are transcoder devices (*see Fig 7-11, items "BTS-B and BTS-C" mean server and second server are transcoder devices*).

**Regarding claim 13.** *Lin* teaches the server as recited in claim 11 wherein said data source is a content server (*see Fig 7-11, item "Mobile Switching Center" means data source is a content server*).

**Regarding claim 14.** *Lin* teaches the server as recited in claim 11 wherein said data source is a content distribution network comprised of a plurality of edge servers (*see Fig 7-11, item "Mobile Switching Center" meaning said data source is a content distribution network, and items "CBSC-A and CBSC-B" means a plurality of edge servers*).

Art Unit: 2664

**Regarding claim 15.** *Lin* teaches the server as recited in claim 11 wherein said data is streaming media data (*see Fig 7-11, col. 3, lines 9-18*).

**Regarding claim 16.** *Lin* teaches the server as recited in claim 11 wherein said electronic device is communicatively coupled to said server by a wireless connection (*see Fig 7-11, col. 3, lines 9-25*).

**Regarding claim 17.** *Lin* teaches the server as recited in claim 11 wherein said method further comprises, prior to said receiving said second message:

said second server transmitting a third message to said data source notifying said data source to transmit at least a portion of said data to said second server (*see Fig 13, step 1328, col. 5, line 43-to-col. 6, line 7*); and

said data source transmitting at least a portion of said data to said second server (*see Fig 13, step 1331 to step 1361, col. 6, line 8-to-col. 7, line 55*).

**Regarding claim 18.** *Lin* teaches the server as recited in claim 11 wherein said method further comprises, prior to said server stopping transmission of said data (*see Fig 13, step 1361, col. 7, lines 41-55*), said second server transmitting at least a portion of said data to said electronic device (*see Fig 13, step 1348 to step 1361, col. 7, lines 22- 55*).

**Regarding claim 19.** *Lin* teaches the server as recited in claim 11 wherein said data is user datagram protocol data (*see Fig 13, col. 5, lines 3-62*).

**Regarding claim 20.** *Lin* teaches the server as recited in claim 11 wherein said first message and said second message are transmission control protocol messages (*see Fig 13, col. 5, lines 3-62*).

**Regarding claim 21.** *Lin* teaches a computer-readable medium having computer-readable program code (*see Fig. 7 & 14, memory 1420 means a computer-readable memory*) embodied therein for causing a computer system (*see Fig. 7 & 14, processor 1440 means a processor*) to

Art Unit: 2664

perform a method of data session handoff (*see Fig. 13, col. 5, lines 3-11*), said method comprising:

receiving data from a data source (*see Fig. 7 & 13, col. 6, lines 5-15, item "mobile switching center" means a data source*);

transmitting at least a portion of said data to an electronic device located in a first location (*see Fig. 7 & 13, col. 6, lines 5-22, mobile station means an electronic device, and BTS-B means a first location*);

receiving notification that said electronic device is moving toward a second location served by a second server (*see Fig. 9 & 13, col. 7, lines 23-30, BTS-C means a second location, and CBSC-B means a second server*);

transmitting a first message to said second server notifying said second server that said electronic device is moving toward said second location (*see Fig. 9 & 13, col. 7, lines 31-37, a Handoff Commenced Message means a first message*);

receiving a second message from said second server that said second server is prepared to communicate with said electronic device (*see Fig. 9 & 13, col. 7, lines 38-40, a Handoff Complete Message means a second message*); and

said server stopping transmission of said data (*see Fig. 11 & 13, col. 7, lines 41-44*).

**Regarding claim 22.** *Lin* teaches the computer-readable medium as recited in claim 21 wherein said server and said second server are transcoder devices (*see Fig 7-11, items "BTS-B and BTS-C" mean server and second server are transcoder devices*).

**Regarding claim 23.** *Lin* teaches the computer-readable medium as recited in claim 21 wherein said data source is a content server (*see Fig 7-11, item "Mobile Switching Center" means data source is a content server*).

**Regarding claim 24.** *Lin* teaches the computer-readable medium as recited in claim 21 wherein said data source is a content distribution network comprised of a plurality of edge servers (*see*



Art Unit: 2664

*Fig 7-11, item "Mobile Switching Center" meaning said data source is a content distribution network, and items "CBSC-A and CBSC-B" means a plurality of edge servers).*

**Regarding claim 25.** *Lin* teaches the computer-readable medium as recited in claim 21 wherein said data is streaming media data (*see Fig 7-11, col. 3, lines 9-18*).

**Regarding claim 26.** *Lin* teaches the computer-readable medium as recited in claim 21 wherein said electronic device is communicatively coupled to said server by a wireless connection (*see Fig 7-11, col. 3, lines 9-25*).

**Regarding claim 27.** *Lin* teaches the computer-readable medium as recited in claim 21 further comprising, prior to said receiving said second message:

said second server transmitting a third message to said data source notifying said data source to transmit at least a portion of said data to said second server (*see Fig 13, step 1328, col. 5, line 43-to-col. 6, line 7*); and

said data source transmitting at least a portion of said data to said second server (*see Fig 13, step 1331 to step 1361, col. 6, line 8-to-col. 7, line 55*).

**Regarding claim 28.** *Lin* teaches the computer-readable medium as recited in claim 21 further comprising, prior to said server stopping transmission of said data (*see Fig 13, step 1361, col. 7, lines 41-55*), said second server transmitting at least a portion of said data to said electronic device (*see Fig 13, step 1348 to step 1361, col. 7, lines 22- 55*).

**Regarding claim 29.** *Lin* teaches the computer-readable medium as recited in claim 21 wherein said data is user datagram protocol data (*see Fig 13, col. 5, lines 3-62*).

**Regarding claim 30.** *Lin* teaches the computer-readable medium as recited in claim 21 wherein said first message and said second message are transmission control protocol messages (*see Fig 13, col. 5, lines 3-62*).

**Regarding claim 31.** *Lin* teaches in a server, a method of data session handoff, said method comprising:

Art Unit: 2664

receiving a first message from a second server notifying said server that an electronic device is moving toward a location served by said server (*see Fig. 7 & 13, from step 1302-to- step 1331, col. 5, lines 3-to-col. 6, line 15*);

transmitting a second message to a data source for transmitting data, said second message notifying said data source to transmit at least a portion of said data to said server (*see Fig. 7 & 13, col. 5, lines 23-31*);

receiving at least a portion of said data from said data source (*see Fig. 7 & 13, col. 6, lines 5-15*;

transmitting a third message to said second server that said server is prepared to communicate with said electronic device (*see Fig. 7 & 13, col. 7, lines 31-37*); and

transmitting at least a portion of said data to said electronic device (*see Fig. 7 & 13, col. 7, lines 23-30*).

**Regarding claim 32.** *Lin* teaches the method as recited in claim 31 wherein said server and said second server are transcoder devices (*see Fig 7-11, items "BTS-B and BTS-C" mean server and second server are transcoder devices*).

**Regarding claim 33.** *Lin* teaches the method as recited in claim 31 wherein said data source is a content server (*see Fig 7-11, item "Mobile Switching Center" means data source is a content server*).

**Regarding claim 34.** *Lin* teaches the method as recited in claim 31 wherein said data source is a content distribution network comprised of a plurality of edge servers (*see Fig 7-11, item "Mobile Switching Center" meaning said data source is a content distribution network, and items "CBSC-A and CBSC-B" means a plurality of edge servers*).

**Regarding claim 35.** *Lin* teaches the method as recited in claim 31 wherein said data is streaming media data (*see Fig 7-11, col. 3, lines 9-18*).

Art Unit: 2664

**Regarding claim 36.** *Lin* teaches the method as recited in claim 31 wherein said electronic device is communicatively coupled to said server by a wireless connection (*see Fig 7-11, col. 3, lines 9-25*).

**Regarding claim 37.** *Lin* teaches the method as recited in claim 31 further comprising, prior to said receiving said first message:

said second server receiving at least a portion said data from said data source (*see Fig. 7-13, from step 1302-to- step 1317, col. 5, lines 3-37*);

said second server transmitting at least a portion of said data to said electronic device (*see Fig. 7-13, from step 1302-to- step 1348, col. 5, line 3-to-col. 7, line 30*);

said second server receiving notification that said electronic device is moving toward said location (*see Fig. 7-13, from step 1302-to- step 1353, col. 5, line 3-to-col. 7, line 37*); and

said second server transmitting said first message to said server notifying said server that said electronic device is moving toward said location (*see Fig. 7-13, from step 1302-to- step 1361, col. 5, line 3-to-col. 7, line 44*).

**Regarding claim 38.** *Lin* teaches the method as recited in claim 31 further comprising, prior to said transmitting at least a portion of said data:

said second server receiving said third message from said server (*see Fig. 7-13, from step 1302-to- step 1317, col. 5, lines 3-37*); and

said second server stopping transmission of said data to said electronic device (*see Fig. 7-13, from step 1348-to- step 1361, col. 7, lines 23-44*).

**Regarding claim 39.** *Lin* teaches the method as recited in claim 31 wherein said data is user datagram protocol data (*see Fig 13, col. 5, lines 3-62*).

**Regarding claim 40.** *Lin* teaches the method as recited in claim 31 wherein said first message and said second message are transmission control protocol messages (*see Fig 13, col. 5, lines 3-62*).

Art Unit: 2664

**Regarding claim 41.** *Lin* teaches a server (see Fig. 7 & 14, item "CBSC-A" means a server) comprising:

a bus (see Fig. 7 & 14, "a link between processor 1440 and memory 1420" means a bus);

a computer-readable memory (see Fig. 7 & 14, memory 1420 means a computer-readable memory) coupled to said bus; and

a processor (see Fig. 7 & 14, processor 1440 means a processor) coupled to said bus, said processor for executing a method of data session handoff (see Fig. 13, col. 5, lines 3-11), said method comprising:

receiving a first message from a second server notifying said server that an electronic device is moving toward a location served by said server (see Fig. 7 & 13, from step 1302-to- step 1331, col. 5, lines 3-to-col. 6, line 15);

transmitting a second message to a data source for transmitting data, said second message notifying said data source to transmit at least a portion of said data to said server (see Fig. 7 & 13, col. 5, lines 23-31);

receiving at least a portion of said data from said data source (see Fig. 7 & 13, col. 6, lines 5-15;

transmitting a third message to said second server that said server is prepared to communicate with said electronic device (see Fig. 7 & 13, col. 7, lines 31-37); and

transmitting at least a portion of said data to said electronic device (see Fig. 7 & 13, col. 7, lines 23-30).

**Regarding claim 42.** *Lin* teaches the server as recited in claim 41 wherein said server and said second server are transcoder devices (see Fig 7-11, items "BTS-B and BTS-C" mean server and second server are transcoder devices).

**Regarding claim 43.** *Lin* teaches the server as recited in claim 41 wherein said data source is a content server (see Fig 7-11, item "Mobile Switching Center" means data source is a content server).

**Regarding claim 44.** *Lin* teaches the server as recited in claim 41 wherein said data source is a content distribution network comprised of a plurality of edge servers (*see Fig 7-11, item "Mobile Switching Center" meaning said data source is a content distribution network, and items "CBSC-A and CBSC-B" means a plurality of edge servers*).

**Regarding claim 45.** *Lin* teaches the server as recited in claim 41 wherein said data is streaming media data (*see Fig 7-11, col. 3, lines 9-18*).

**Regarding claim 46.** *Lin* teaches the server as recited in claim 41 wherein said electronic device is communicatively coupled to said server by a wireless connection (*see Fig 7-11, col. 3, lines 9-25*).

**Regarding claim 47.** *Lin* teaches the server as recited in claim 41 wherein said method further comprises, prior to said receiving said first message:

said second server receiving at least a portion said data from said data source (*see Fig. 7-13, from step 1302-to- step 1317, col. 5, lines 3-37*);

said second server transmitting at least a portion of said data to said electronic device (*see Fig. 7-13, from step 1302-to- step 1348, col. 5, line 3-to-col. 7, line 30*);

said second server receiving notification that said electronic device is moving toward said location (*see Fig. 7-13, from step 1302-to- step 1353, col. 5, line 3-to-col. 7, line 37*); and

said second server transmitting said first message to said server notifying said server that said electronic device is moving toward said location (*see Fig. 7-13, from step 1302-to- step 1361, col. 5, line 3-to-col. 7, line 44*).

**Regarding claim 48.** *Lin* teaches the server as recited in claim 41 wherein said method further comprises, prior to said transmitting at least a portion of said data:

said second server receiving said third message from said server (*see Fig. 7-13, from step 1302-to- step 1317, col. 5, lines 3-37*); and

Art Unit: 2664

said second server stopping transmission of said data to said electronic device (*see Fig. 7-13, from step 1348-to- step 1361, col. 7, lines 23-44*)

**Regarding claim 49.** *Lin* teaches the server as recited in claim 41 wherein said data is user datagram protocol data (*see Fig 13, col. 5, lines 3-62*).

**Regarding claim 50.** *Lin* teaches the server as recited in claim 41 wherein said first message and said second message are transmission control protocol messages (*see Fig 13, col. 5, lines 3-62*).

**Regarding claim 51.** *Lin* teaches a computer-readable medium having computer-readable program code embodied therein for causing a computer system to perform a method of data session handoff, said method comprising:

receiving a first message from a second server notifying said server that an electronic device is moving toward a location served by said server (*see Fig. 7 & 13, from step 1302-to- step 1331, col. 5, lines 3-to-col. 6, line 15*);

transmitting a second message to a data source for transmitting data, said second message notifying said data source to transmit at least a portion of said data to said server (*see Fig. 7 & 13, col. 5, lines 23-31*);

receiving at least a portion of said data from said data source (*see Fig. 7 & 13, col. 6, lines 5-15*;

transmitting a third message to said second server that said server is prepared to communicate with said electronic device (*see Fig. 7 & 13, col. 7, lines 31-37*); and

transmitting at least a portion of said data to said electronic device (*see Fig. 7 & 13, col. 7, lines 23-30*).

**Regarding claim 52.** *Lin* teaches the computer-readable medium as recited in claim 51 wherein said server and said second server are transcoder devices (*see Fig 7-11, items "BTS-B and BTS-C" mean server and second server are transcoder devices*).

Art Unit: 2664

**Regarding claim 53.** *Lin* teaches the computer-readable medium as recited in claim 51 wherein said data source is a content server (*see Fig 7-11, item "Mobile Switching Center" means data source is a content server*).

**Regarding claim 54.** *Lin* teaches the computer-readable medium as recited in claim 51 wherein said data source is a content distribution network comprised of a plurality of edge servers (*see Fig 7-11, item "Mobile Switching Center" meaning said data source is a content distribution network, and items "CBSC-A and CBSC-B" means a plurality of edge servers*).

**Regarding claim 55.** *Lin* teaches the computer-readable medium as recited in claim 51 wherein said data is streaming media data (*see Fig 7-11, col. 3, lines 9-18*).

**Regarding claim 56.** *Lin* teaches the computer-readable medium as recited in claim 51 wherein said electronic device is communicatively coupled to said server by a wireless connection (*see Fig 7-11, col. 3, lines 9-25*).

**Regarding claim 57.** *Lin* teaches the computer-readable medium as recited in claim 51 further comprising, prior to said receiving said first message:

said second server receiving at least a portion said data from said data source (*see Fig. 7-13, from step 1302-to- step 1317, col. 5, lines 3-37*);

said second server transmitting at least a portion of said data to said electronic device (*see Fig. 7-13, from step 1302-to- step 1348, col. 5, line 3-to-col. 7, line 30*);

said second server receiving notification that said electronic device is moving toward said location (*see Fig. 7-13, from step 1302-to- step 1353, col. 5, line 3-to-col. 7, line 37*); and

said second server transmitting said first message to said server notifying said server that said electronic device is moving toward said location (*see Fig. 7-13, from step 1302-to- step 1361, col. 5, line 3-to-col. 7, line 44*).

Art Unit: 2664

**Regarding claim 58.** *Lin* teaches the computer-readable medium as recited in claim 51 further comprising, prior to said transmitting at least a portion of said data:

said second server receiving said third message from said server (*see Fig. 7-13, from step 1302-to- step 1317, col. 5, lines 3-37*); and

said second server stopping transmission of said data to said electronic device (*see Fig. 7-13, from step 1348-to- step 1361, col. 7, lines 23-44*)

**Regarding claim 59.** *Lin* teaches the computer-readable medium as recited in claim 51 wherein said data is user datagram protocol data (*see Fig 13, col. 5, lines 3-62*).

**Regarding claim 60.** *Lin* teaches the computer-readable medium as recited in claim 51 wherein said first message and said second message are transmission control protocol messages (*see Fig 13, col. 5, lines 3-62*).

**Regarding claim 61.** *Lin* teaches a system of hand-off of a data session comprising:

a first server configured to transmit at least a portion of data received from a data source to an electronic device located in a first location (*see Fig. 7 & 13, from step 1302-to- step 1335, col. 5, line 3-to-col. 7, line 11*);

a second server configured to transmit at least a portion of said data received from said data source to said electronic device when said electronic device is located in a second location (*see Fig. 7 & 13, from step 1302-to- step 1348, col. 5, line 3-to-col. 7, line 30*);

wherein said first server notifies said second server when said electronic device is moving toward said second location (*see Fig. 7 & 13, from step 1302-to- step 1353, col. 5, line 3-to-col. 7, line 37*).

**Regarding claim 62.** *Lin* teaches the system as recited in claim 61 wherein said first server and said second server are transcoder devices (*see Fig 7-11, items "BTS-B and BTS-C" mean server and second server are transcoder devices*).



**Regarding claim 63.** *Lin* teaches the system as recited in claim 61 wherein said data source is a content server (*see Fig 7-11, item "Mobile Switching Center" means data source is a content server*).

**Regarding claim 64.** *Lin* teaches the system as recited in claim 61 wherein said data source is a content distribution network comprised of a plurality of edge servers (*see Fig 7-11, item "Mobile Switching Center" meaning said data source is a content distribution network, and items "CBSC-A and CBSC-B" means a plurality of edge servers*).

**Regarding claim 65.** *Lin* teaches the system as recited in claim 61 wherein said plurality of data portions is streaming media data (*see Fig 7-11, col. 3, lines 9-18*).

**Regarding claim 66.** *Lin* teaches the system as recited in claim 61 wherein said electronic device is communicatively coupled to said first server and said second server by a wireless connection (*see Fig 7-11, col. 3, lines 9-25*).

### ***Contact Information***

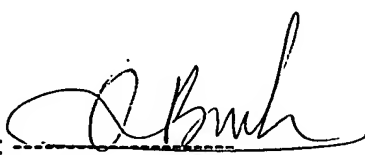
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Binh Q. Nguyen whose telephone number is 571-272-8563. The examiner can normally be reached on M-F: 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.


Art Unit: 2664

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Respectfully submitted,

By: 

Binh Q. Nguyen  
Patent Examiner  
10/07/2005

  
WELLINGTON CHIN  
SUPERVISORY PATENT EXAMINER